

California M E D I C I N E

OFFICIAL JOURNAL OF THE CALIFORNIA MEDICAL ASSOCIATION
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VOL. 75

OCTOBER 1951

No. 4

Specialist-General Practitioner Cooperation in an Obstetrical Department

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SUMMARY

At a private hospital not affiliated with a teaching institution, a system was set up in the obstetrical department under which general practitioners carrying out deliveries had the advice and aid of specialists in obstetrics and were required to call for it in stated circumstances. General practitioners carried out about half of the 17,076 deliveries at the hospital in an eight-year period. Teamwork was stressed. Results were comparable with those reported from many of the well-known institutions.

In addition, a special anesthetic service was organized for the obstetrical department. Anesthesia was administered by young physicians who not only were versed in anesthetic procedures but had special training in obstetrics.

The service was available at any hour, and the physician carrying out delivery could count upon competently administered anesthesia when it was needed, as well as upon consultation and assistance should the need arise.

The data in the accompanying tables indicate the various methods of treatment used and the results. The incidence of various abnormalities was quite similar to that reported from many of the well-known institutions of the country. The ultimate end results in terms of maternal mortality, maternal morbidity, stillbirths, and neonatal deaths compare most favorably with results in the better known teaching and private hospitals where practice is entirely confined to physicians qualified under the term "obstetrical specialists."

Under the heading "Supervision" in Paragraph 5 of "The Minimum Standard for Obstetrical Department in Hospitals"—as demanded by the American College of Surgeons—appears the following requirement: "The obstetrical division of the medical staff shall be so organized as to exercise adequate control over the obstetrical work done in the hospital, such organization to include a chief or head of the department or service who shall be responsible for the general supervision of the professional activities of the department."

In order to exercise adequate control, the quality of work done by each physician engaged in the practice of obstetrics in the department must be known. Therefore, at St. John's Hospital all were classified into two major groups. This classification was arrived at after careful examination of creden-

SINCE the obstetrical department of St. John's Hospital, Los Angeles, admitted its first patient in November 1942, there have been some 17,000 deliveries. About half of the patients were admitted under the care of general practitioners.

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Presented before the Section on Obstetrics and Gynecology at the 80th Annual Session of the California Medical Association, Los Angeles, May 13 to 16, 1951.

TABLE 1.—Presentation and Positions in 17,076 Deliveries

Vertex	
a. Occiput anterior	14,820 (85%)
b. Occiput posterior	1,410 (8%)
Breech	636 (3.7%)
Brow	16
Face	30
Transverse	18

TABLE 2.—*Method of Delivery*

Total.....	17,076
Spontaneous.....	10,264
Low-forceps.....	4,576
Mid-forceps.....	97
High-forceps.....	4
Manual rotation with forceps (mid and low).....	530
Forceps rotation with extraction.....	213
Craniotomy.....	2
Podalic version and extraction.....	37
Cesarean section.....	891
Breech.....	636

TABLE 3.—*Data on Breech Deliveries (524 Consecutive Cases, Jan. 1, 1943, to Dec. 31, 1949)*

Total number deliveries.....	14,229
Total number breech deliveries.....	524 or 3.68%
Type of Delivery	No. Per Cent
Decomposition of breech and extraction.....	32 6.1
Spontaneous with breech assistance.....	440 83.9
Cesarean section.....	52 10.0
Forceps to after-coming head.....	35 6.6
Maternal morbidity.....	17 3.2
Fetal mortality (uncorrected).....	80 15.2
Fetal mortality (corrected).....	7 1.3
Maternal mortality.....	None

tials bearing details of training, practical experience and qualification by major obstetrical boards. This was followed by personal observation of the individual's handling of normal and abnormal procedures in the department itself and his ability as demonstrated during this period of probation.

Group A consisted of physicians permitted to carry out all types of obstetrical procedures, consultation being required only in cases of cesarean section. This group included all qualified obstetricians.

Group B consisted of physicians permitted to practice obstetrics in the department but restricted to cases in which the delivery was normal and uncomplicated. Should complications arise, one of the consulting staff must be called in to aid in the conduct of the case wherever possible or, if necessary, take over until safe delivery is accomplished.

The physicians in Group B are required to call for consultation:

1. Prior to any obstetrical operation, with the exception of episiotomy or prophylactic use of low forceps.

2. For induction of labor by the use of pituitary extract or rupture of the membranes.

3. In any case in which the patient has been over 12 hours in active labor or in which the membranes have been ruptured for 12 hours.

4. In all cases of toxemia.

5. In any case in which the patient is admitted with evidence of bleeding, before, during or after parturition.

6. In any case of abnormal presentation, including primiparous breech.

7. Prior to cesarean sections.

8. In any case of postpartum complication such as pyrexia, thrombophlebitis, etc.

This consultation service was provided by a group, designated as obstetrical consultants, appointed by the obstetrical committee. The consultants gave their service free of charge to the patient as a service for better obstetrics, except in instances in which the attending physician advised that a fee should be charged.

In approximately 95 per cent of cases, consultation was gratis.

Consultants have been encouraged to attempt close relationship with the general practitioners in this supervisory and consultant capacity. The aim has been to impart a general feeling of working as a team for the good of the patient and to avoid any implication that the consultant is trying to steal the glory and the patient from the practitioner who admitted the patient to the department. Following cesarean section, the general practitioner is encouraged to carry out the daily postpartum care, although the operating surgeon must also continue observation and daily visits. Standard techniques for labor and delivery room, to be followed by all physicians and the nursing staff, were set up and posted.

Luncheons which all physicians doing obstetrics are urged to attend are held monthly. A detailed obstetrical report is available to each physician attending. The report contains data on the following: Presentation and position; lacerations; anesthesia (type used); toxemia; prolonged labor; type of de-

TABLE 4.—*Cesarean Sections*

	Total	Repeat	Incidence (Per Cent)
1943.....	57	7	3.3
1944.....	81	12	4.5
1945.....	89	13	5.1
1946.....	115	16	6.0
1947.....	133	37	5.6
1948.....	120	24	5.3
1949.....	133	41	5.8
1950.....	132	38	5.4
	860	188	4.8

Deaths, 2 (2.3 per cent)

TABLE 5.—*Data on Stillbirths*

	Total	Under 30 Weeks	Under 36 Weeks	Full Term
1943.....	23	10	4	9
1944.....	21	10	5	6
1945.....	24	8	3	14
1946.....	30	12	5	13
1947.....	26	13	2	11
1948.....	26	10	5	11
1949.....	27	9	6	12
1950.....	29	12	8	9
	206 (1.2%)	84 (0.5%)	38 (0.2%)	85 (0.52%)

Year	Total Deliv- eries	Anesthesia Employed				
		Inhalation No.	Pct.	Spinal No.	Pct.	Miscellaneous
1943	1,722	1,711	(99.36)	9	(00.36)	2 pentothal, 3 none
1944	1,781	1,769	(99.32)	3	(00.34)	3 none
1945	1,710	1,689	(98.77)	19	(1.2)	2 caudal
1946	1,911	1,504	(78.70)	402	(21.03)	2 caudal, 3 none
1947	2,336	1,079	(46.19)	1,249	(53.47)	8 none
1948	2,252	1,070	(47.51)	1,168	(51.86)	14 none
1949	2,300	1,154	(50.20)	1,123	(48.80)	1 local, 22 none
1950 (Through June)	1,138	574	(50.50)	555	(48.70)	1 local, 8 none

or general practitioners, who care for parturient women, to do their utmost to deliver a healthy infant without damage to the child or to the mother. It is consistent with this duty to seek and to give help and advice and to pool knowledge in a common effort to perform good safe obstetrics. In doing so lies hope for nearly perfect results.

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Discussion by ROBERT H. FAGAN, M.D., *Beverly Hills*

With regard to Dr. Watson's paper, there are three points that I feel could bear even further emphasis: First, the fact that the statistics are from a non-teaching hospital. Second, the fact that 50 per cent of the cases were managed by general practitioners. Last, Dr. Watson's system of providing obstetric anesthetists—a system which I, as an attending obstetrician, have found gratifying and practical.

Formerly, statistics such as these occurred only in teaching hospitals where the standards of medical care have been traditionally high. In recent years, reports from private hospitals all over the country show similarly remarkable records. This is an admirable transition, for obviously not every hospital can be associated with a medical school and, when records such as these occur, we may feel assured that better medical care is becoming more universal and is not necessarily limited to the so-called "fountains of learning." As a matter of fact, because teaching hospitals must necessarily be ultra-conservative, many advances in obstetric procedures now arise in the private institutions. However, in the comparison of mortality statistics, one must remember, in fairness to all, that many teaching and general hospitals have large indigent clienteles, where malnutrition, poverty and lack of cooperation of patients augment obstetrical disasters.

The fact that 50 per cent of the deliveries in St. John's Hospital were managed by general practitioners is interesting and tends to support the general trend in medical education that there is a need for general practitioners, even in large metropolitan areas. The over-all obstetrical care in a community may be improved by making arrangements for general practitioners to work in cooperation with the ob-

stetrical specialists in hospitals where consultation and help in emergencies is readily at hand. In hospitals lacking this supervision, results are not so favorable.

Probably there has been no factor in obstetrics so unsatisfactory as being unable to procure hurriedly at all times a good obstetric anesthetist. I believe it is understandable that certified anesthetists should choose not to give obstetric anesthesia because of the long and uncertain hours. The procedure at St. John's as outlined by Dr. Watson is one of the most gratifying arrangements that I have experienced in over 20 years of obstetric practice. The realization that there is constantly available a physician well trained in obstetrics, as well as in obstetric anesthesia, affords to all concerned great security in emergencies.

These obstetrician-anesthetists must be qualified in various techniques of obstetric anesthesia and this ability may be and should be acquired, in my opinion, by all obstetricians during their hospital training. In addition to the obvious advantages to the patients, the nurses and the attending physicians, the benefits to these young men are very great. They profit greatly by observing the conduct of labor of their older confreres. One of the unfortunate aspects of obstetric practice is that often after a physician leaves his formal training he never again observes a colleague conduct a delivery. It is amazing how many variations in procedures are improvements over the techniques one has originally acquired, and it is by the observation of a large number of competent obstetricians at work that younger men may ultimately perfect the techniques of delivery best adapted to their own capabilities. Moreover, the first few years of obstetric practice are necessarily lean ones financially, for in contradistinction to other branches of medicine, the young obstetrician has no available insurance work or industrial contracts which help a young physician pay his overhead. The fees that may be charged for obstetric anesthesia, therefore, are most welcome. The patients, the delivery room personnel, the attending physicians and the younger physicians all profit. As far as I can see, there are no objections to this arrangement. I heartily commend it as the most satisfactory method of handling this major obstetrical problem that I have personally observed. I believe Dr. Watson and the personnel of St. John's Hospital are to be congratulated for the excellent record they have established.

